

VT SERIES VERTICAL TOASTER OPERATOR'S MANUAL



This equipment chapter is to be inserted in
the Equipment Manual

**MANUFACTURED
EXCLUSIVELY FOR
McDONALD'S®
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TEL 318-865-1711 FAX (Parts) 318-219-7140 (Tech Support) 318-219-7135

**FOR YOUR SAFETY
DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN
THE VICINITY OF THIS OR ANY OTHER APPLIANCE.**

**DO NOT OPERATE OR SERVICE THE VERTICAL TOASTER WITHOUT FIRST READING
THIS MANUAL**

**DO NOT OPERATE THE VERTICAL TOASTER UNLESS IT HAS BEEN PROPERLY
INSTALLED AND CHECKED.**

**DO NOT OPERATE THE VERTICAL TOASTER UNLESS ALL COVERS AND ACCESS
PANELS ARE IN PLACE AND PROPERLY SECURED.**

**DO NOT ATTEMPT TO REPAIR OR REPLACE ANY COMPONENT OF THE VERTICAL
TOASTER UNLESS ALL POWER TO THE UNIT HAS BEEN DISCONNECTED.**

**USE CAUTION WHEN SETTING UP, OPERATING, OR CLEANING THE VERTICAL
TOASTER TO AVOID CONTACT WITH HEATED SURFACES.**

**HAZARD COMMUNICATION STANDARD (HCS) – THE PROCEDURES IN THIS MANUAL
INCLUDE THE USE OF CHEMICAL PRODUCTS. THESE CHEMICAL PRODUCTS WILL
BE PRINTED IN BOLD FACE, FOLLOWED BY THE ABBREVIATION (HCS) IN THE TEXT
PORTION OF THE PROCEDURE. SEE THE HAZARD COMMUNICATION STANDARD
(HCS) MANUAL FOR THE APPROPRIATE MATERIAL SAFETY DATA SHEET(S) (MSDS).**

1. WARRANTY STATEMENT

The Frymaster Corporation makes the following limited warranties to the original purchaser only for this equipment and replacement parts:

1.1 WARRANTY PROVISIONS – VERTICAL TOASTER

- A. The Frymaster Corporation warrants all components against defects in material and workmanship for a period of 1 year.
- B. All parts, with the exception of belts, are warranted for 1 year after installation date of toaster. (Belts are consumable items.)
- C. If any parts become defective during the first year after installation date, Frymaster will also pay straight-time labor costs to replace the part, plus up to 100 miles/160 km of travel (50 miles/80 km each way).

1.2 PARTS RETURN

All defective in-warranty parts must be returned to a Frymaster Factory Authorized Service Center within 60 days for credit. After 60 days, no credit will be allowed.

1.3 WARRANTY EXCLUSIONS

This warranty does not cover equipment that has been damaged due to misuse, abuse, alteration, or accident such as:

- improper or unauthorized repair;
- failure to follow proper installation instructions and/or scheduled maintenance procedures as prescribed in your MRC cards;
- improper maintenance;
- damage in shipment;
- abnormal use;
- removal, alteration, or obliteration of the rating plate.

This warranty also does not cover:

- transportation or travel over 100 miles/160 km (50 miles/80 km each way), or travel time over two (2) hours.
- overtime or holiday charges;
- consequential damages (the cost of repairing or replacing other property which is damaged); loss of time, profits, use or any other incidental damages of any kind.

There are no implied warranties of merchantability or fitness for any particular use or purpose.

For international warranty, the above procedures apply, except that the customer is responsible for freight and duty charges.

2. PARTS ORDERING AND SERVICE INFORMATION

Parts orders may be placed directly with your local Frymaster Factory Authorized Service Center (FASC)/Distributor. A list of Frymaster FASCs was included with the unit when shipped from the factory. If you do not have access to this list, contact the Frymaster Service Department at 1-800-24-FRYER or 1-318-865-1711.

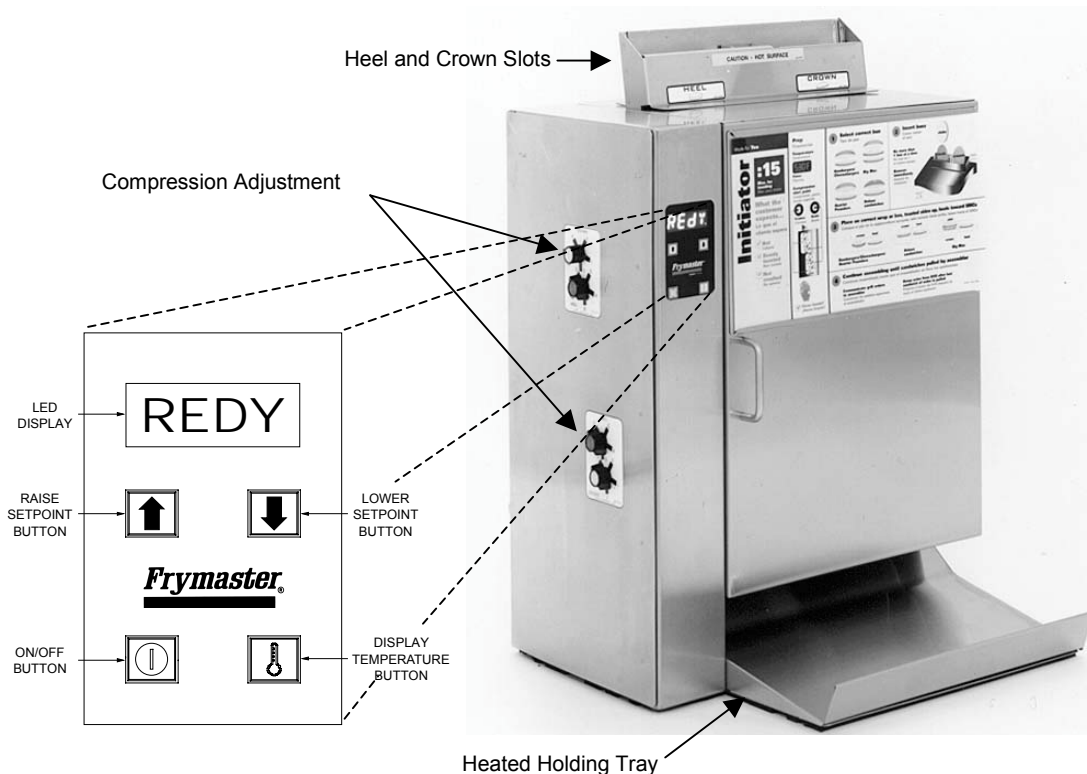
To speed up your order, the following information is required:

Model Number _____
 Serial Number _____
 Voltage _____
 Part Number _____
 Quantity Needed _____

Service may be obtained by contacting your local FASC or Distributor. Service information may be obtained by calling the Frymaster Service Department. The following information will be needed in order to assist you quickly and efficiently.

Model Number _____
 Serial Number _____
 Nature of Problem _____

Also include any other information which may be helpful in solving your service problem.



3. VERTICAL TOASTER OPERATIONAL DESCRIPTION

The Vertical Toaster is designed to produce fresh, uniformly toasted buns on an "as needed" basis.

The countertop-mounted unit consists of a cabinet, a computer, a heating element and a pair of conveyor assemblies.

When the unit is turned on, an electrical heating element (called a *platen*) is energized. The platen heats up to a programmed temperature referred to as the *setpoint*. At the same time, both conveyor assemblies are activated. When a bun is placed into one of the slots at the top of the cabinet, the conveyor belts gently carry it through the unit, with the cut face of the bun passing over the heated platen. As the bun passes over the platen, it is toasted. At the end of the process, the bun is deposited onto a heated holding tray that keeps it warm until it is used in a sandwich.

The computer allows the operator to adjust the setpoint to obtain desired toasting characteristics. Compression adjustment knobs also allow the operator to adjust the compression of heels and crowns as they pass through the toaster.

4. INSTALLATION/SETUP

Upon arrival, inspect the toaster for concealed damage. Immediately report any damage to the delivering freight company. Claims must be filed within 15 days after receipt of the unit.

Power Requirements:

ALL ELECTRICALLY OPERATED APPLIANCES MUST BE ELECTRICALLY GROUNDED IN ACCORDANCE WITH LOCAL CODES, OR IN THE ABSENCE OF LOCAL CODES, WITH THE NATIONAL ELECTRICAL CODE (ANSI/NFPA NO. 70-1990) OR THE CORRESPONDING NATIONAL CODE OF THE COUNTRY IN WHICH INSTALLED.

THIS APPLIANCE IS EQUIPPED WITH A GROUNDING PLUG FOR YOUR PROTECTION AGAINST SHOCK HAZARD AND MUST BE PLUGGED INTO A PROPERLY GROUNDED RECEPTACLE. DO NOT CUT OR REMOVE THE GROUNDING PRONG FROM THIS PLUG!

- Voltage: 208VAC or 240VAC depending on model ordered*
- Frequency: 60 Hz (other than European Union [CE] models) or 50 Hz (European Union models)
- Phase: Single
- Service: 30 Amp


* *Units can be configured for either 208VAC or 240VAC by connecting the wiring to the appropriate taps on the transformer and drive motor.*

Setup:

Setup of the toaster consists of unpacking the unit, placing it on a sturdy table or countertop adjacent to a properly grounded AC outlet (208V or 240V, depending on model ordered), and plugging it in.




The unit is shipped with a programmed setpoint of 540°F (282°C), crown compression knobs set to **E**, and heel compression knobs set to **5**. It is recommended that these knobs be set to **C** and **3** for initial operation.

5. OPERATION










1. Press the ON/OFF  button. The word **LOW** will appear in the green LED display window. The unit will take about 10 minutes to reach operating temperature, at which time the display will change to **REDY**, indicating the toaster is ready for use.

2. Load buns into the appropriate slots (Heel or Crown) one at a time, with the cut faces toward the rear of the unit. The toasting conveyors will move the buns through the unit and deposit them on the heated holding tray.
3. Adjust the setpoint and bun compression as necessary to achieve desired toasting.

6. VIEWING AND ADJUSTING THE SETPOINT

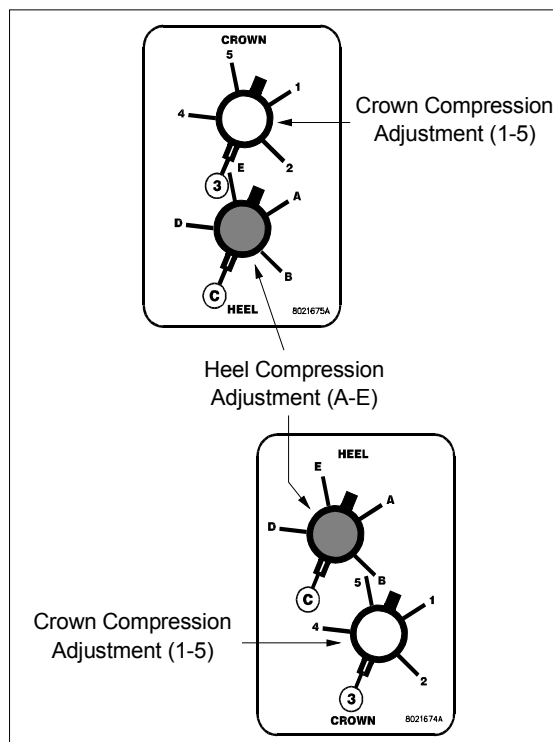
To view the platen temperature, press the  button once. The temperature in degrees Fahrenheit will appear in the green LED display window. To view the current setpoint, press the  button twice. The setpoint in degrees Fahrenheit will be displayed in the green LED display window. To toggle the display to Celsius, unplug the unit, then press and hold the  button as the unit is plugged back in.

To change the setpoint:

1. Turn the unit OFF (press the  button). Enter the setpoint programming mode by pressing the , , ,  buttons in that order. The current setpoint will appear in the LED display. To increase the setpoint, press the  button; to decrease it, press the  button.
2. When the desired setpoint is displayed, press the  button once. Press the ON/OFF  button. If the platen is within 20°F (11°C) of the setpoint, the display will show REDY. Otherwise, the display will show LOW or HIGH until the platen is within 20°F (11°C) of the setpoint, at which time the setpoint will change to REDY.


7. ADJUSTING BUN COMPRESSION

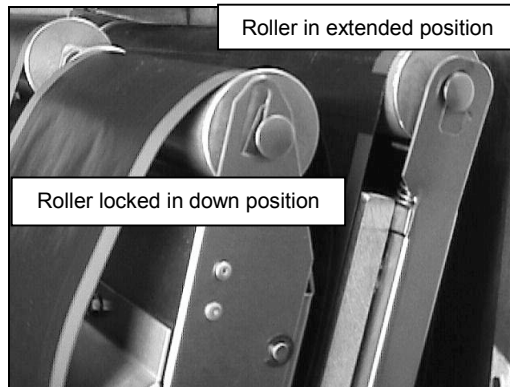
1. There are two pairs of compression adjustment knobs (one pair numbered 1-5, the other lettered A-E), as shown in the accompanying illustration. Both knobs in each pair must be set to the same position.



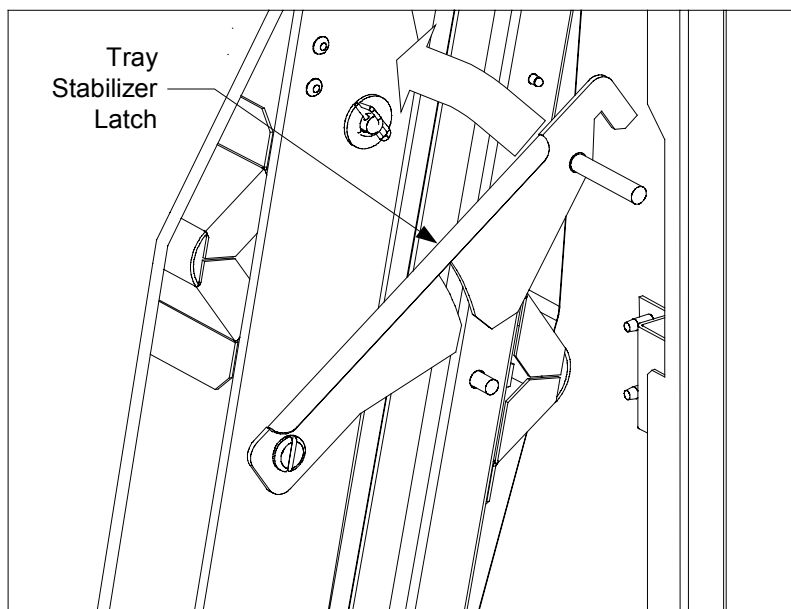
2. Settings A and 1 cause the greatest bun compression (that is, the thinnest bun after toasting).

8. CHANGING BELTS

1. Turn the unit off (press the ON/OFF  button) then unplug it. If the unit has been in operation, allow it to cool for about 1½ hours. **TIP:** Change belts in the morning, prior to turning the toaster on.
2. Remove the bun feeder, then remove the cover by lifting it straight up until it is clear of its retaining brackets.
3. Set the bun compression knobs to positions **E** and **5**.
4. Press down on the top roller and move it to the rear to lock it in the retracted (down) position. (NOTE: Each side of the roller must be locked down.)



5. Rotate the tray stabilizer latch upward to unlatch it.



6. Slip the old belt off the rollers and slip the new belt on. When the replacement belt has been properly positioned between the raised edges of its rollers, rotate the tray stabilizer latch to the latched position.
7. Press down and forward on the top roller to unlock it and allow it to extend.
8. Replace the cover, being careful as it is lowered over the cover interlock switch. Return the bun compression knobs to their previous settings.

9. OPERATOR TROUBLESHOOTING

PROBLEM	PROBABLE CAUSES	CORRECTIVE ACTION
PRO1 in LED display.	A. Indicates failure of main platen probe or associated circuitry.	A. Call FASC.
PRO2 in LED display.	A. Indicates failure of tray heater probe or associated circuitry.	A. Call FASC
Bun conveyors do not start when ON/OFF button is pressed.	A. Cover not properly installed.	A. Make sure cover is correctly positioned so that the cover interlock switch is depressed.
	B. Toaster not plugged in.	B. Plug toaster in.
	C. Store circuit breaker tripped.	C. Reset circuit breaker.
	D. Failed cover interlock switch, failed high limit, failed motor, or failed controller.	D. Call FASC.
Toasting is consistently too dark or too light.	A. Improper setpoint programmed.	A. If toasting is too dark, lower the setpoint and/or compression setting until desired toasting is achieved. If toasting is too light, increase setpoint and/or compression setting until desired toasting is achieved.
Bun compression is incorrect.	A. Compression knobs set at different settings.	A. Make sure both knobs in each pair of knobs are at the same setting.
	B. Compression knobs on an improper setting for desired compression.	B. Adjust the compression knobs to achieve desired compression. Moving them to a lower setting will increase compression. Moving them to a higher setting will decrease compression. Make sure both pairs of knobs are on the same setting.
Buns are toasting inconsistently.	A. Compression knobs set at different settings.	A. Make sure both knobs in each pair of knobs are at the same setting.
	B. Belt slippage.	B. Shut down and clean unit, paying particular attention to grooves in rollers and condition of belts.
	C. Incorrect belt speed, faulty platen heater, or faulty controller.	C. Call FASC.